

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 1 of 5	Application Number	10/596,874
	Filing Date	December 10, 2004
	First Named Inventor	Carter, Chad J.
	Confirmation Number	1770
	Attorney Case Number	59402US004

U.S. Patent Documents					
Exam. Init.*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 3,034,507	5/15/1962	McConnell et al.	
	A2	US- 3,072,122	1/08/1963	Rosenthal	
	A3	US- 3,123,212	3/03/1964	Taylor et al.	
	A4	US- 3,136,314	6/09/1964	Kravitz	
	A5	US- 3,221,740	12/07/1965	Rosenthal	
	A6	US- 3,246,647	04/19/1966	A.S. Taylor et al.	
	A7	US- 3,322,121	05/30/1967	O.H. Banker	
	A8	US- 3,466,131	9/09/1969	Arcudi	
	A9	US- 3,510,933	5/12/1970	Taylor et al.	
	A10	US- 3,512,520	05/19/1970	M.N. Cowan	
	A11	US- 3,596,660	8/03/1971	Melone	
	A12	US- 3,675,766	7/11/1972	Rosenthal	
	A13	US- 3,678,150	7/18/1972	Szumski et al.	
	A14	US- 3,688,764	9/05/1972	Reed et al.	
	A15	US- 3,905,371	9/16/1975	Stickl et al.	
	A16	US- 3,964,482	6/22/1976	Gerstel et al.	
	A17	US- 4,109,655	8/29/1978	Chacornac	
	A18	US- 4,237,906	12/09/1980	Havstad et al.	
	A19	US- 4,304,241	12/08/1981	Brennan	
	A20	US- 4,360,016	11/23/1982	Sarrine	
	A21	US- 4,453,926	6/12/1984	Galy	
	A22	US- 4,503,856	3/12/1985	Cornell et al.	
	A23	US- 4,517,978	5/21/1985	Levin et al.	
	A24	US- 4,637,403	1/20/1987	Garcia et al.	
	A25	US- 4,858,607	8/22/1989	Jordan et al.	
	A26	US- 4,869,249	9/26/1989	Crossman et al.	
	A27	US- 4,920,977	5/01/1990	Haynes	
	A28	US- 4,924,879	5/15/1990	O'Brien	

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		Doc. Number-(Kind Code if Known)			
	A29	US- 5,250,023	10/05/1993	Lee et al.	
	A30	US- 5,318,584	6/07/1994	Lange et al.	
	A31	US- 5,368,047	11/29/1994	Suzuki et al.	
	A32	US- 5,402,798	4/04/1995	Swierczek et al.	
	A33	US- 5,487,726	1/30/1996	Rabenau et al.	
	A34	US- 5,611,806	3/18/1997	Jang	
	A35	US- 5,879,326	3/09/1999	Godshall et al.	
	A36	US- 5,983,136	11/09/1999	Kamen	
	A37	US- 6,050,988	4/18/2000	Zuck	
	A38	US- 6,091,975	07/18/2000	Daddona et. al.	
	A39	US- 6,132,755	10/17/2000	Eicher et al.	
	A40	US- 6,256,533	7/03/2001	Yuzhakov et al.	
	A41	US- 6,293,925	9/25/2001	Safabash et al.	
	A42	US- 6,313,612 B1	11/06/2001	Honda et al.	
	A43	US- 6,322,808	11/27/2001	Trautman et al.	
	A44	US- 6,334,856	1/01/2002	Allen et al.	
	A45	US- 6,379,324	4/30/2002	Gartstein et al.	
	A46	US- 6,440,096	8/27/2002	Lastovich et al.	
	A47	US- 6,454,755	9/24/2002	Godshall	
	A48	US- 6,503,231	1/07/2003	Prauznitz et al.	
	A49	US- 6,532,386	3/11/2003	Sun et al.	
	A50	US- 6,537,242 B1	03/25/2003	Palmer	
	A51	US- 6,589,202	7/08/2003	Powell	
	A52	US- 6,591,124	7/08/2003	Sherman et al.	
	A53	US- 6,595,947	7/22/2003	Mikszta et al.	
	A54	US- 6,603,998	8/05/2003	King et al.	
	A55	US- 6,623,457	9/23/2003	Rosenberg	
	A56	US- 6,713,291	3/30/2004	King et al.	

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	A57	US- 6,743,211	6/01/2004	Prausnitz et al.	
	A58	US- 6,797,276	9/28/2004	Glenn et al.	
	A59	US- 6,890,319	5/10/2005	Crocker	
	A60	US- 6,881,203 B2	04/19/2005	Delmore et al.	
	A61	US- 6,908,453	6/21/2005	Fleming et al.	
	A62	US- 6,931,277	8/16/2005	Yuzhakov et al.	
	A63	US- RE 25637	4/02/1963	Kravitz et al.	
	A64	US- 2002/032415 A1	03/14/2002	Trautman et al.	
	A65	US- 2002/091357 A1	07/11/2002	Trautman et al.	
	A66	US- 2002/123675 A1	09/05/2002	Trautman et al.	
	A67	US- 2002/188245 A1	12/12/2002	Martin et al.	
	A68	US- 2002/082543	6/27/2002	Park et al.	
	A69	US- 2002/087182	7/04/2002	Trautman et al.	
	A70	US- 2002/095134	7/18/2002	Pettis et al.	
	A71	US- 2002/111600	8/15/2002	Cormier et al.	
	A72	US- 2002/138049	9/26/2002	Allen et al.	
	A73	US- 2002/169416	11/14/2002	Gonnelli et al.	
	A74	US- 2002/177858	11/28/2002	Sherman et al.	
	A75	US- 2002/198509	12/26/2002	Mikszta et al.	
	A76	US- 2003/045837 A1	03/06/2003	Delmore et al.	
	A77	US- 2003/050602	3/13/2003	Pettis et al.	
	A78	US- 2003/083641	5/01/2003	Angel et al.	
	A79	US- 2003/135158	7/17/2003	Gonnelli et al.	
	A80	US- 2003/181863	9/25/2003	Ackley et al.	
	A81	US- 2003/199812	10/23/2003	Rosenberg	
	A82	US- 2003/208167	11/06/2003	Prausnitz et al.	
	A83	US- 2004/049150	3/11/2004	Dalton et al.	
	A84	US- 2004/077994	4/22/2004	Lastovich et al.	

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		Doc. Number-(Kind Code if Known)			
	A85	US- 2004/138612	7/15/2004	Shermer et al.	
	A86	US- 2004/176732	9/09/2004	Frazier et al.	
	A87	US- 2004/181203	9/16/2004	Cormier et al.	
	A88	US- 2005/025778	2/03/2005	Cormier et al.	
	A89	US- 2005/027242	2/03/2005	Gabel et al.	
	A90	US- 2005/065463	3/24/2005	Tobinaga et al.	
	A91	US- 2005/065466	3/24/2005	Vedrine	
	A92	US- 2005/065472	3/24/2005	Cindrich et al.	
	A93	US- 2005/096586	5/05/2005	Trautman et al.	
	A94	US- 2005/106226	5/19/2005	Cormier et al.	
	A95	US- 2005/137525	6/23/2005	Wang et al.	
	A96	US- 2005/261631 A1	11/24/2005	Clarke et al.	

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B1	EP	0 407 063 A1	01/09/1991	Connaught Laboratories Ltd.		
	B2	GB	1080986	8/31/1967	Barber		
	B3	GB	2064329	6/17/1981	Carpenter et al.		
	B4	GB	2221394	2/07/1990	Ellertson		
	B5	WO	96/10630	4/11/1996	Trimmer et al.		
	B6	WO	00/74766 A1	12/14/2000	Procter & Gamble		
	B7	WO	01/36037 A2	05/25/2001	Velcro Industries		
	B8	WO	02/100476 A2	12/19/2002	Becton, Dickinson & Co.		
	B9	WO	05/082596 A1	09/09/2005	3M IPCo.		
	B10	WO	05/51455	6/09/2005	Cormier et al.		
	B11	WO	05/51476	6/09/2005	Finnin et al.		
	B12	WO	05/65765	7/21/2005	Carter		

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OTHER DOCUMENTS			
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1	Henry, Sebastien et al., "Microfabricated Microneedles: A Novel Approach to Transdermal Drug Delivery", <u>Journal of Pharmaceutical Sciences</u> , Vol. 87, No. 8, August 1998, pp 922-925	
	C2	McAllister, Devin V. et al., "Microfabricated Microneedles for Gene and Drug Delivery", <u>Annual Rev. Biomed. Eng.</u> 2000 ; pp 289-313	
	C3	Kaushik, Shilpa et al., "Lack of Pain Associated with Microfabricated Microneedles" <u>Anesthesia Analgesia</u> ; 2001;92:502-4; pp 502-504	
	C4	McAllister, D.V. et al, "Solid and Hollow Microneedles for Transdermal Protein Delivery", <u>Proceed. Int'l Symp. Control Rel. Bioact. Mater.</u> , 26 (Revised July 1999) Controlled Release Society, Inc. pp 192-193	
	C5	Daddona, Peter E., "Recent Advances in Peptide, Protein and Macromolecule Drug Delivery", <u>Current Opinion in Drug Discovery & Development</u> ; 1999 2(2); pp 168-171	

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